

## MDCAT Physics Chapter 13 Deformation of Solids MCQ's Test

Sr	Questions	Answers Choice
1	In case of linear deformation, the ratio of the tensile stress to the tensile strain is called	A. Young's modulus B. Bulk modulus C. shear modulus D. all of them
2	Which of the following pair of quantities have the same units?	A. stress, Young's modulus B. Young's modulus, bulk modulus C. Stress, bulk modulus D. All of them
3	S.I unit of stress is	A. N/m B. N m C. $\text{Nm}^{-2}$ D. newton
4	Crystal lattice is a repetition of	A. Atoms B. Molecules C. Unit cell D. All of them
5	In semiconductors at 0 K the valence band is	A. Completely filled B. Partially filled C. No D. Yes
6	The electrons in the outermost shell of an atom are called	A. Valence electrons B. Tightly bound electrons C. Free electrons D. None of these
7	The substance, which exists in two or more crystal forms under different conditions is called:	A. Isomorphism Substance B. Allotropic substances C. True substances D. Polymorphous substances
8	Magnetic permeability is maximum for	A. Dia-magnetic B. Ferromagnetic C. Paramagnetic D. Non-magnetic
9	Polymers have naturally combinations like with	A. Oxygen B. Sulphuric C. Hydrocarbons D. Oxygen and carbons
10	1 <sup>st</sup> superconductor was discovered in year	A. 1890 B. 1930 C. 1895 D. 1911
11	Amorphous solids are called	A. Polymeric B. Crystal C. Glassy solids D. All
12	Solids have sharp melting points account of	A. Long range order of atoms B. Short range order of atoms C. Equal strength of inter-atomic bonds D. An isotropic nature
13	A material with high retentively and large corcivity most useful to make	A. Electromagnet B. Permanent magnet C. Choke D. None of these
14	Young's modulus for mercury is	A. 0 B. 2 C. 5 D. 6
15	The solids which have structure in between order and disorder are called	A. amorphous solids B. polymeric solids C. crystalline solids D. " " "

		D. all of them
16	The temperature below which materials are superconductor is called as:	A. Kelvin temperature B. Critical temperature C. Curie temperature D. none of these
17	A semiconductor is known to have an electron concentration of $8 \times 10^{13}$ per $\text{cm}^3$ and hole concentration of $5 \times 10^{12}$ per $\text{cm}^3$ the semiconductor is	A. n-type B. P-type C. Intrinsic D. None of these
18	A valance band in solids is	A. Always completely filled B. Empty C. Either completely or partially filled D. None
19	The ability of body to return to its original shape (after the force is removed) is called:	A. Elasticity B. Ductility C. Stress D. Strain E. Any of these
20	Shear modulus for copper is	A. 20 B. 27 C. 44 D. 43